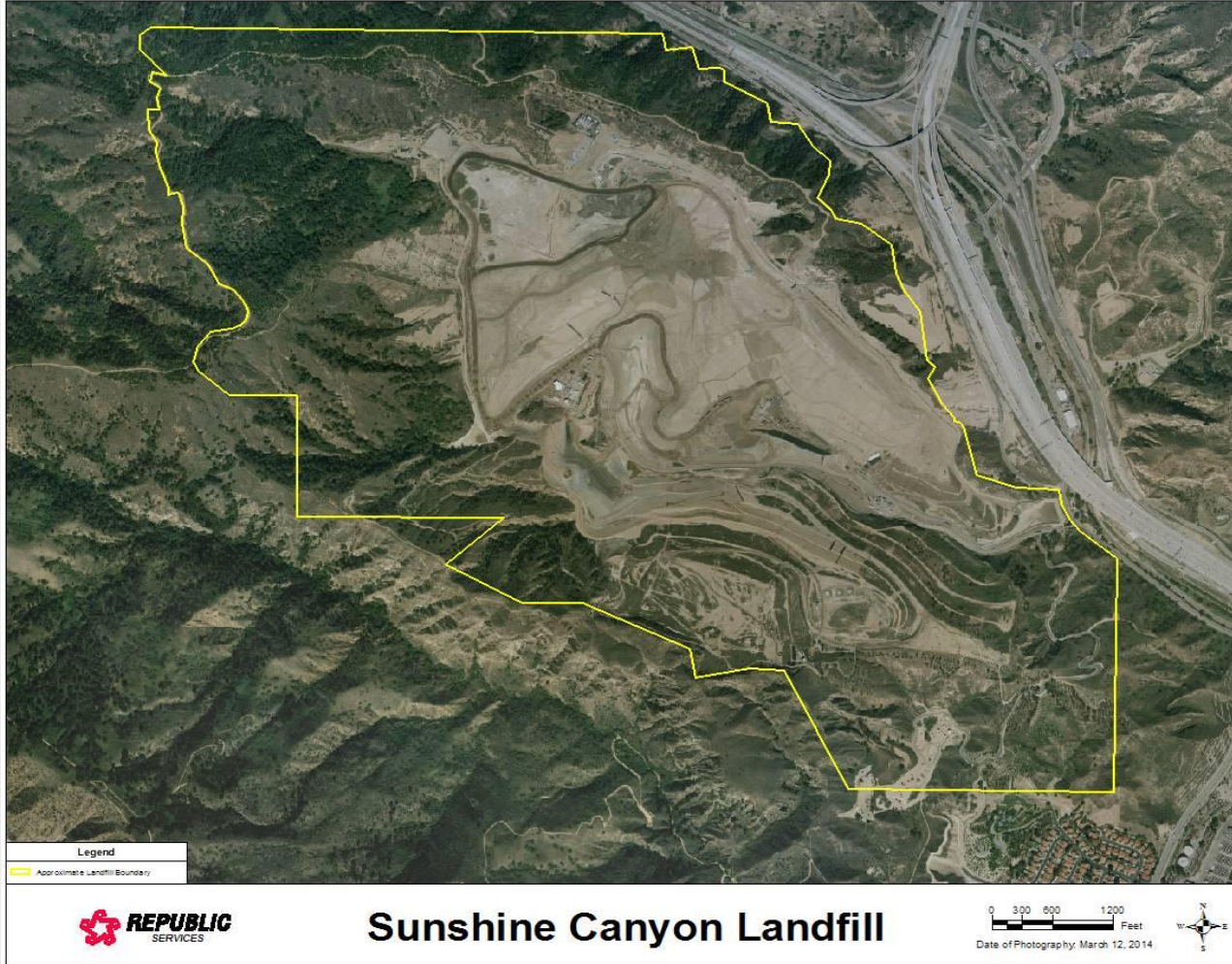


Sunshine Canyon Landfill
Presentation to the
Los Angeles County
Solid Waste Management Committee -
Integrated Waste Management Task Force
October 16, 2014



Sunshine Canyon Landfill



Sunshine Canyon Landfill

Presentation Topics



- Project Background
- Regulatory Requirements
- Design Basis
- Project Schedule



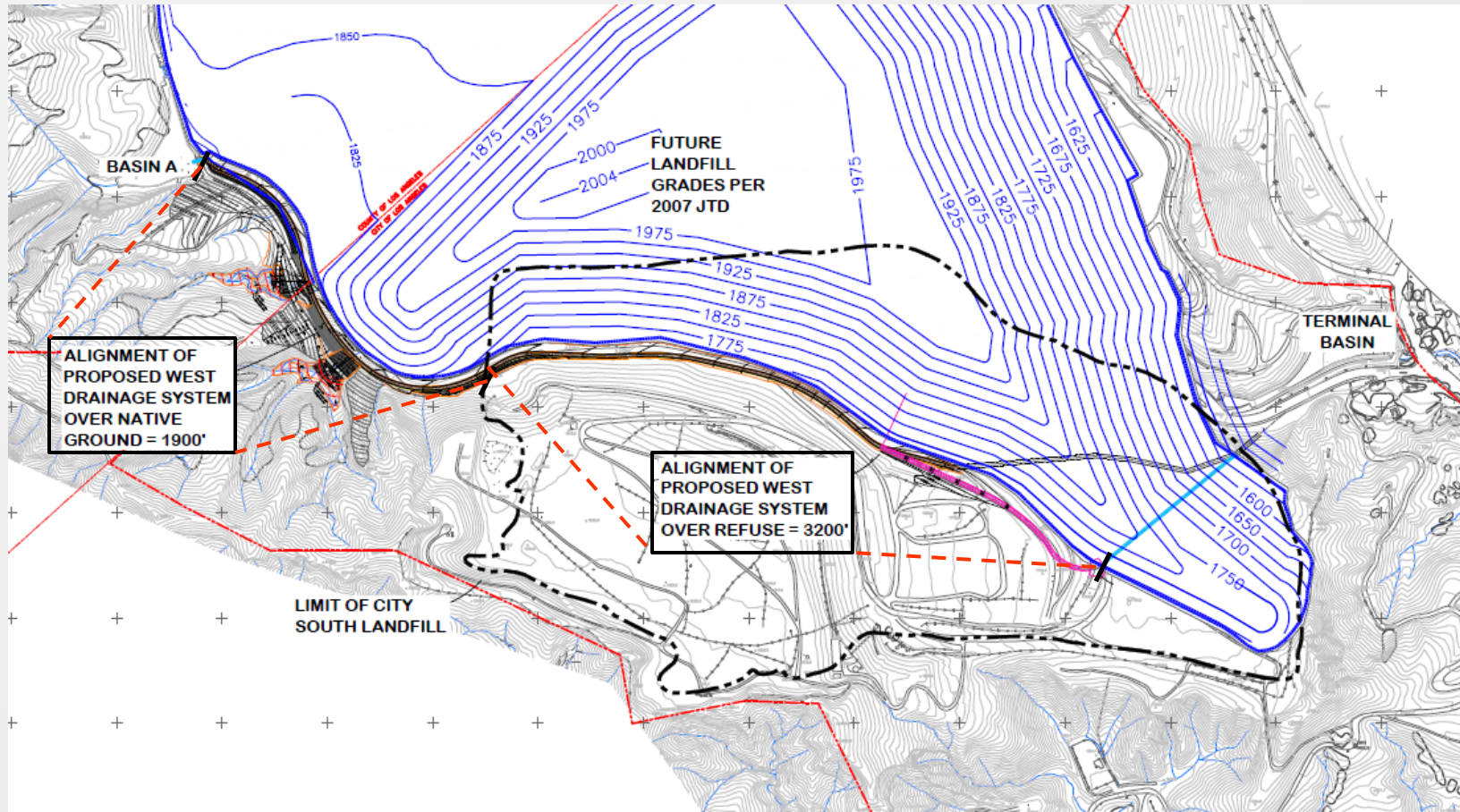
West Drainage Master Plan



Project Background

- Element of 2007 JTD
 - Drainage from Basin A to be diverted around the west side of the landfill and into the Terminal Basin via a concrete-lined trapezoidal channel and a corrugated metal pipe (CMP) downdrain
- Portion to be constructed over native material ~ 1,900 feet
 - Basin A to northwestern edge of City South
- Portion to be constructed over fill material ~ 3,200 feet

West Drainage Alignment



Regulatory Requirements



➤ Title 27CCR

- All permanent drainage facilities are to designed and constructed to prevent washout of refuse from a 100-year storm event

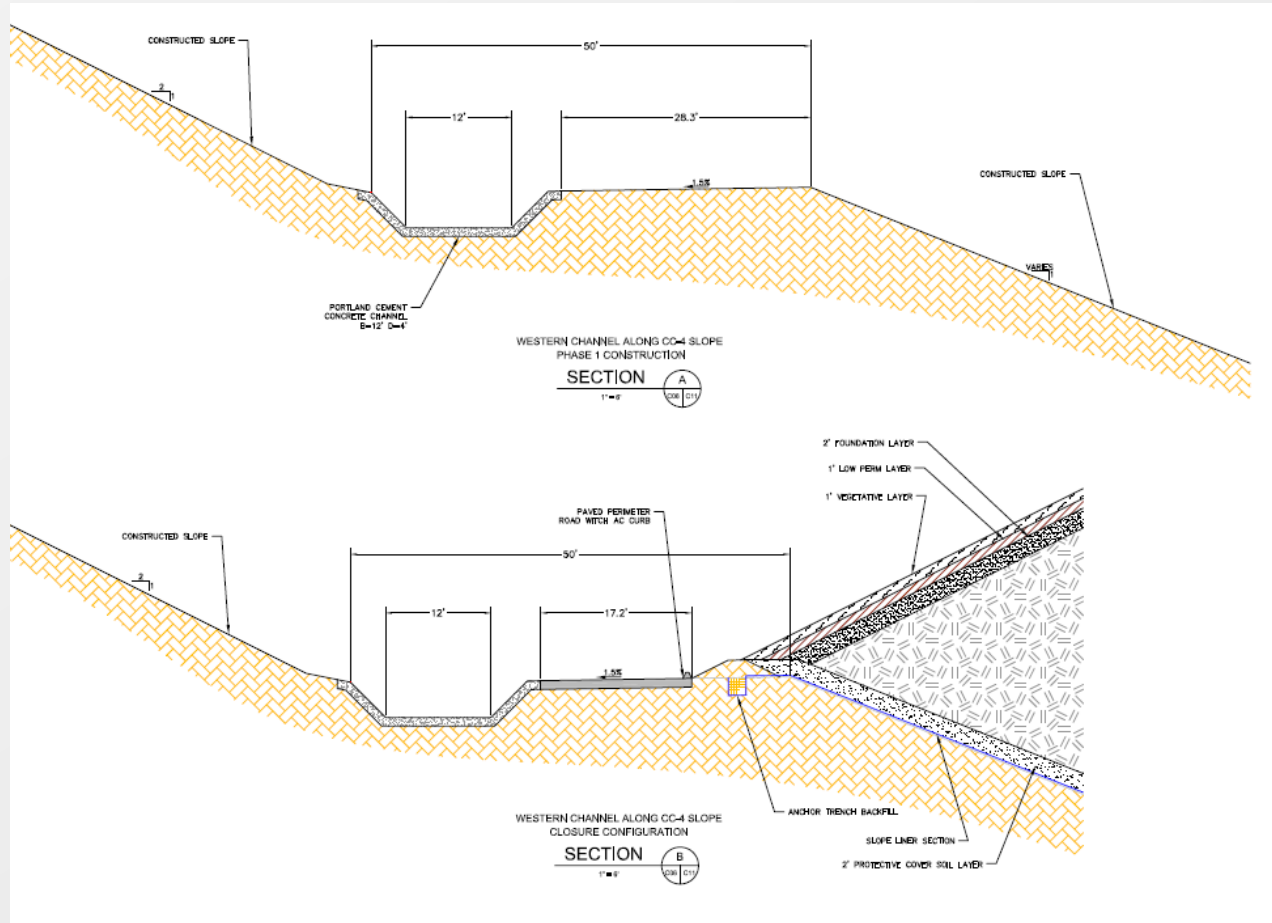
➤ CUP Condition 38

- *“....install appropriate drainage structures at the Facility to comply with all drainage requirements of DPW, the RWQCB....All drainage structures....shall be designed and constructed to meet all applicable drainage and grading requirements of the DPW, and all design and construction plans for these structures must have prior approval from DPW.”*
- Approval of West Drainage design plan and final construction plans required prior to start of construction of drainage channel (LARWQCB letter dated July 1, 2014)

Channel designed to conduct all flows with no overflow

- 12 foot wide base with sloping sides (trapezoidal channel)
- Reinforced concrete walls and paved asphalt bottom
- Channel sections over fill material
 - Specialized design with geosynthetic grid reinforcement and other elements

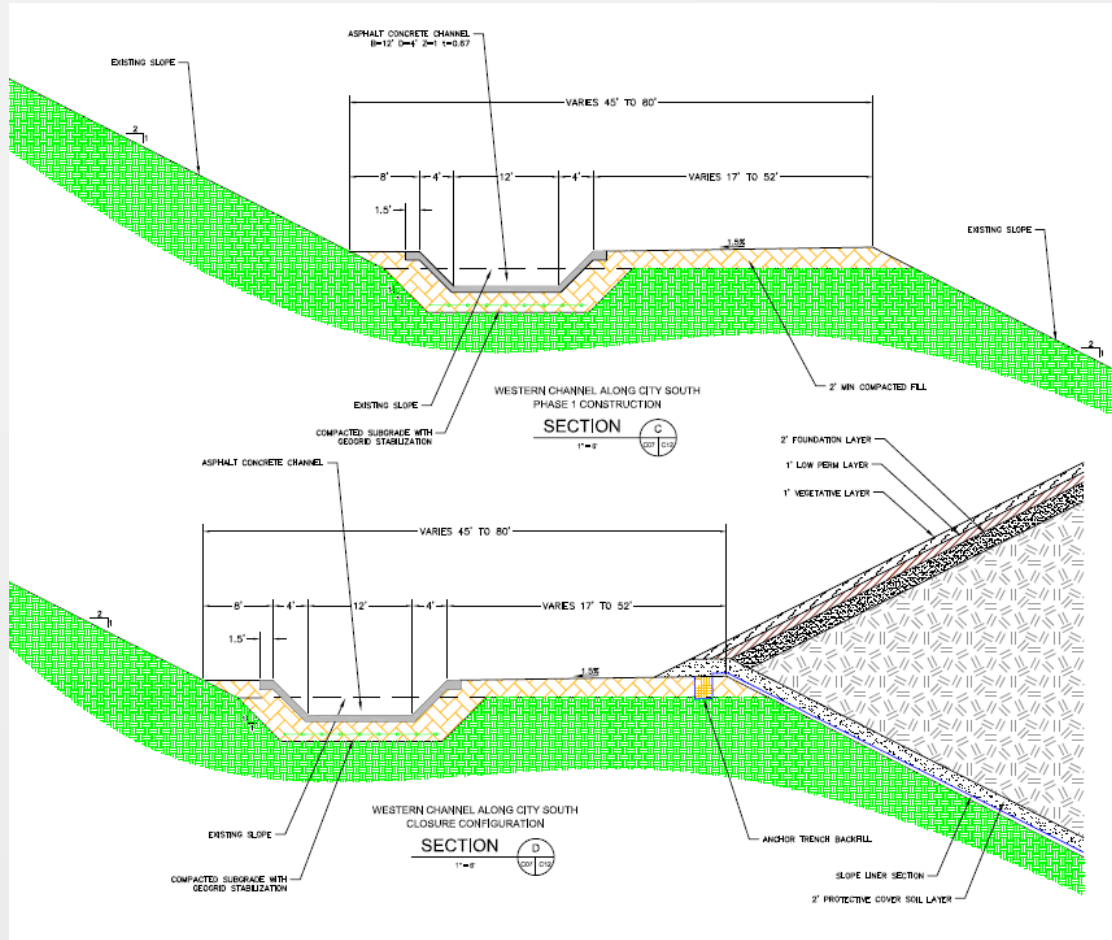
Cross Section Over Native Ground



Prior to liner construction

At landfill completion

Cross section over Fill Material



**Prior to liner
construction**

**At landfill
completion**

Project Schedule Milestones

- March 2014 - West Drainage Master Plan submitted to LARWQB and LA DPW;
- June/July 2014 - comments received from agencies;
- September 10 - Meeting held with regulatory personnel to discuss comments;
- Late November – re-submittal of Master Plan incorporating information requested by agencies and corrections/updates to drawings;
- March 2015 – requesting approvals from agencies on Master Plan;
- 2016 – Construction of Phase 1 on City South;
- 2017 – Construction of Phase 2 from Basin A to northwest edge of City South